

CLAIMS

1. A method for providing a multiple layer content, comprising:
- 2 dividing an information content into at a plurality of layers, a first
- 4 layer enabling reconstruction of the information content with a first
- quality, and a second layer enabling reconstruction of the information
- 6 content with higher quality when combined with the first layer;
- transmitting from an origination terminal the first layer with a first
- 8 quality of service supported by a network; and
- transmitting from the origination terminal the second layer with a
- second quality of service supported by the network.
2. The method as claimed in claim 1, wherein said transmitting from an
- 2 origination terminal the first layer with a first quality of service supported by a
- network comprises:
- 4 transmitting from an origination terminal the first layer with a
- quality of service enabling the first layer delivery to a first set of
- 6 destination terminals.
3. The method as claimed in claim 1, wherein said transmitting from the
- 2 origination terminal the second layer with a second quality of service
- supported by the network comprises:
- 4 transmitting from the origination terminal the second layer with a
- quality of service enabling the second layer delivery to a subset of the
- 6 first set of destination terminals.
4. A method for providing a multiple layer content, comprising:
- 2 receiving at a destination terminal a first layer delivered using a
- first quality of service supported by a network; and

10033775-102401

4 processing at the destination terminal the first layer and at least
one additional layer if the at least one additional layer is delivered using a
6 second quality of service.

5. The method as claimed in claim 4, wherein said processing at the first
2 destination terminal the first layer and at least one additional layer if the at
least one additional layer is delivered using a second quality of service
4 comprises:

combining the first layer information content with the at least one
6 additional layer information content.

6. A method for providing a multiple layer content, comprising:
2 dividing an information content into at a plurality of layers, a first
layer enabling reconstruction of the information content with a first
4 quality, and a second layer enabling reconstruction of the information
content with higher quality when combined with the first layer;
6 transmitting from an origination terminal the first layer with a first
quality of service supported by a network;
8 transmitting from the origination terminal the second layer with a
second quality of service supported by the network.
10 receiving at a destination terminal the first layer; and
processing at the destination terminal the first layer and the
12 second layer if the second layer is received.

7. A method for providing a multiple layer content, comprising:
2 dividing an information content into at least two layers, the first
layer enabling reconstruction of the information content with a first
4 quality, and the at least second layer enabling reconstruction of the
information content with higher quality when combined with the first layer;
6 providing each of the at least two separate layers for transmission;
and
8 transmitting at least the first layer over a wireless link.

10032725-102401

- 1003275-103401
8. The method as claimed in claim 7, wherein said providing each of the at
2 least two separate layers for transmission comprises:
 assigning each unit of a layer a sequence number;
4 delivering each of the units through a media not guaranteeing in-
sequence delivery; and
6 re-ordering the delivered units in accordance with the sequence
numbers.
9. The method as claimed in claim 7, wherein said providing each of the at
2 least two separate layers for transmission comprises:
 providing each of the at least two separate layers using an RTP.
10. The method as claimed in claim 7, wherein said transmitting at least the
2 first layer over a wireless link comprises:
 transmitting the first layer with a first quality of service supported
4 by the wireless link.
11. The method as claimed in claim 10, wherein said transmitting the first
2 layer with a first quality of service supported by the wireless link comprises:
 transmitting the first layer with a quality of service enabling the first
4 layer delivery to a first set of destination terminals.
12. The method as claimed in claim 10, further comprising:
2 transmitting the at least second layer with a second quality of
service supported by the wireless link.
13. The method as claimed in claim 12, wherein said transmitting the at least
2 second layer with a second quality of service supported by the wireless link
comprises:
4 transmitting the at least second layer with a quality of service
enabling the at least second layer delivery to a subset of the first set of
6 destination terminals.

14. The method as claimed in claim 7, wherein said transmitting at least the
2 first layer over a wireless link comprises:
transmitting at least the first layer over a wireless link in
4 accordance with load of a transmitting terminal.
15. The method as claimed in claim 7, wherein said transmitting at least the
2 first layer over a wireless link comprises:
transmitting at least the first layer over one broadcast channel.
16. The method as claimed in claim 7, wherein said transmitting at least the
2 first layer over a wireless link comprises:
transmitting at least one layer over a broadcast channel; and
4 transmitting at least one additional layer over at least one
additional broadcast channel.
17. An apparatus for providing a multiple layer content, comprising:
2 means for dividing an information content into at a plurality of
layers including a first layer enabling reconstruction of the information
4 content with a first quality, and a second layer enabling reconstruction of
the information content with higher quality when combined with the first
6 layer;
means for transmitting from an origination terminal the first layer
8 with a first quality of service supported by a network, and for transmitting
from the origination terminal the second layer with a second quality of
10 service supported by the network.
18. An apparatus for providing a multiple layer content, comprising:
2 a memory; and
a device communicatively coupled to the memory and capable of
4 performing digital signal processing including:
dividing an information content into at a plurality of layers
6 including a first layer enabling reconstruction of the information
content with a first quality, and a second layer enabling

8 reconstruction of the information content with higher quality when
combined with the first layer; and
10 coordinating the transmission from an origination terminal
the first layer with a first quality of service supported by a network,
12 and coordinating transmission from the origination terminal the
second layer with a second quality of service supported by the
14 network.

19. An apparatus for providing a multiple layer content, comprising:

2 a memory; and
a device communicatively coupled to the memory and capable of
4 performing digital signal processing including:
dividing an information content into at a plurality of layers, a
6 first layer enabling reconstruction of the information content with a
first quality, and a second layer enabling reconstruction of the
8 information content with higher quality when combined with the
first layer; and
10 coordinating the transmission from an origination terminal
the first layer with a first quality of service supported by a network,
12 and coordinating the transmission from the origination terminal the
second layer with a second quality of service supported by the
14 network.

20. The apparatus as claimed in claim 19 wherein said transmitting from an
2 origination terminal the first layer with a first quality of service supported
by a network further comprises transmitting from an origination terminal
4 the first layer with a quality of service enabling the first layer delivery to a
first set of destination terminals.

21. The apparatus as claimed in claim 19, wherein said transmitting from the
2 origination terminal the second layer with a second quality of service
supported by the network further comprises transmitting from the
4 origination terminal the second layer with a quality of service enabling the

1003275.102401

second layer delivery to a subset of the first set of destination terminals.

6

22. An apparatus for providing a multiple layer content, comprising:

2

a memory; and

4

a first device communicatively coupled to the memory and capable
of performing digital signal processing including:

6

dividing an information content into at a plurality of layers, a
first layer enabling reconstruction of the information content with a
first quality, and a second layer enabling reconstruction of the
information content with higher quality when combined with the
first layer;

10

coordinating transmission from an origination terminal the
first layer with a first quality of service supported by a network; and
coordinating transmission from the origination terminal the second
layer with a second quality of service supported by the network;

12

14

a second memory; and

16

a second device communicatively coupled to the second
memory and capable of performing digital signal processing
including:

18

receiving the first layer at a destination terminal; and

20

processing at the destination terminal the first layer
and the second layer if the second layer is received.

1003275-102401